GOVERNMENT OF INDIA
POWER
LOK SABHA

STARRED QUESTION NO:320
ANSWERED ON:23.03.2017
Replacing Old Power Plants
Singh Shri Hukum

Will the Minister of POWER be pleased to state:

(a) the details of thermal power stations, which have undergone Renovation and Modernisation (R&M) in the recent past and those undergoing the same;

(b) the benefits accrued as a result thereof;

(c) whether the Government is not inclined to incur any more expenditure on the renovation of power plants older than 25 years, especially NTPC power units and if so, the details thereof;

(d) whether the Government had directed NTPC to replace 11,000 MW worth of plant capacity that is older than 25 years and if so, the details thereof; and

(e) whether the Government has urged the power companies to replace old plants with new ones equipped with modern technologies and if so, the details thereof and action taken thereon by the companies so far, company-wise?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) to (e) : A Statement is laid on the Table of the House.

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STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO.320 TO BE ANSWERED IN THE LOK SABHA ON 23.03.2017 REGARDING REPLACING OLD POWER PLANTS.
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(a) : The details of thermal power units which have undergone Life Extension (LE) and Renovation and Modernization (R&M) during the 12th Plan period are enclosed as Annex-IA and Annex-IB respectively, while details of thermal generating units undergoing R&M/LE is enclosed as Annex-II.

(b) : The R&M programme of thermal generating units is carried out to improve their performance in terms of output, reliability, availability, reduction in maintenance requirements and environmental emission, ease of maintenance and minimizing inefficiencies.

Life Extension (LE) programme of thermal generating units envisages generally restoring rated capacity of the units with 15 to 20 years' of extension of life over and above its designed economic life.

(c) : R&M/LE works are carried out by the concerned State and Central power utilities including NTPC Ltd. depending on their requirement and techno-economic feasibilities.

(d) : No, Madam. However, NTPC Limited has identified some units which are more than 25 years old for replacement with new supercritical units of higher capacity based on techno-economic feasibility.

(e) : Central Electricity Authority (CEA) in consultation with power utilities identified old thermal power plants of aggregate capacity 5228 MW, which could be replaced with new power plants equipped with modern technologies totaling 10180 MW. The details of such power plants and action taken by companies is given in Annex-III.

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